

UC San Diego

SCHOOL OF MEDICINE

Department of Obstetrics, Gynecology
and Reproductive Sciences



UROBIOME 2025

February 24, 2025

*Robert Payne Scripps Forum for Science
Scripps Institution of Oceanography*



WELCOME to UROBIOME 2025

TICKETS	Registration \$275	REGISTER
DATE / TIME	February 24 th , 2025	
LOCATION	UC San Diego, Scripps Institution of Oceanography Robert Paine Scripps Forum for Science 8610 Kennel Way La Jolla, CA 92037	
EVENT WEBSITE	https://obgyn.ucsd.edu/divisions/urogynecology/urobiome/index.html	

Join like-minded investigators interested in the human urobiome! The goal of the UROBIOME 2025 conference is simple: to advance human urobiome science. We are so glad you are a part of the excitement.

During this conference, we have a unique opportunity to educate each other, share best practices, coalesce around a set of core principles for human urobiome research, and promote scientific practices that facilitate urobiome investigators' making the most of the research resources available to us. Conference attendees are diverse, including internationally known experts in microbiome sciences, trainees, and interested lay individuals.

Participants in prior UROBIOME conferences have contributed a consensus statement published in 2021 (<https://doi.org/10.1128/mSystems.01371-20>).

During UROBIOME 2025, we will think about using our knowledge and skills to find better ways to prevent, diagnose, and treat conditions associated with unhealthy urobiomes. There are many foundational questions still to be asked:

- What are the features of healthy urobiomes?
- How do unhealthy urobiomes contribute to clinical problems?
- Can we prevent the development of unhealthy urobiomes?
- How do we get unhealthy urobiomes back to a healthy state?

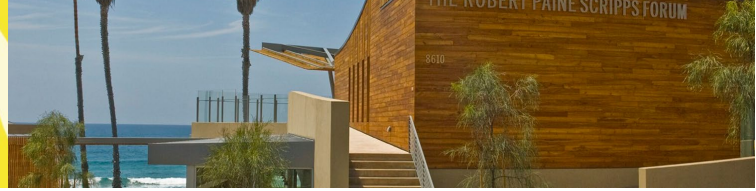
We hope you will meet new people, expose yourself to new ideas and ways of thinking, engage with your colleagues, share your expertise and talents freely, establish new collaborations, and be full of new ideas at the end of the day.

We invite you to participate in this innovative conference with a room full of OPEN MINDS.

Thank you,

Linda Brubaker, MD

UROBIOME 2025 Conference Organizer
Professor of Obstetrics, Gynecology, & Reproductive Sciences
University of California San Diego



AGENDA

DAY 1 | FEBRUARY 24, 2025

Welcome & Wake Up Fluids

7:30A Linda Brubaker, MD
Professor, Obstetrics, Gynecology and Reproductive Sciences • University of California, San Diego

UROBIOME research – Picking up Speed

7:45A Alan Wolfe, PhD
Professor, Microbiology & Immunology • Loyola University Chicago

Urinary tract infection revisited: elucidating microbial eco-evolutionary drivers and regulators

8:00A Marjon de Vos, dr. ir. | **VIRTUAL**
Assistant Professor, Science and Engineering • University of Groningen

Urobiome of SCI/D – installation treatments

8:45A Suzanne Groah, MD, MSPH
Professor, Rehabilitation Medicine • Director of Rehabilitation and Recovery • Georgetown University

Mouse urobiome and improved mouse models

9:15A Katie Forster, MD, MS, FAAP
Assistant Professor, Pediatrics • University of Pittsburgh

9:30A QA – Discussion

BREAK

Metabolic requirements of the urinary microbiome – Shaping health versus disease

10:15A Maria Hadjifrangiskou, PhD
Associate Professor, Pathology, Microbiology and Immunology, and Urology • Associate Director, Vanderbilt Institute for Infection, Immunology and Inflammation • Vanderbilt School of Medicine

The NIDDK PLUS RISE Study – Urobiome Findings

10:45A Linda Brubaker, MD
Professor, Obstetrics, Gynecology and Reproductive Sciences • University of California, San Diego

11:15A QA – Discussion

Lunch Break & Roundtables

New sequencing technologies

Rob Knight, PhD and team
Wolfe Family Endowed Chair in Microbiome Research, Professor of Pediatrics, Bioengineering, Computer Science & Engineering, Director of the Center for Microbiome Innovation • University of California, San Diego

Enhanced culture methods

Alan Wolfe, MD
Professor, Microbiology & Immunology • Loyola University Chicago

Study design

Mimi Lukacz, MD, MAS
Professor, Obstetrics, Gynecology and Reproductive Sciences, Division Director, URPS • University of California, San Diego

Bioinformatic and biostatistics

Lisa Karstens, PhD
Associate Professor, Medical Informatics and Clinical Epidemiology • Oregon Health & Science University



- 1:00P ***Insights on urobiome: Handling low biomass samples***
Lisa Karstens, PhD
Associate Professor, Medical Informatics and Clinical Epidemiology • Oregon Health & Science University
- 1:30P ***Kidney stones and the urobiome***
Fengping Liu, DNP
Doctor of Nursing Practice and Researcher, Molecular Biology, Immunology and Microbiology • Faculty of Medicine, Zhejiang University
- 2:00P ***The importance of interconnected microbiomes in urology***
Jeremy Burton, PhD, MSc
Miriam Burnett Chair, Urological Sciences, and Deputy Director of the Canadian Centre for Human Microbiome and Probiotics • Western University Canada
- 2:30P QA – Discussion
- 2:45P **BREAK**
- 3:00P ***Science at the Coal Face: Incorporating urobiome science in clinical care***
Rajvinder Khasriya, PhD, MRCOG | **VIRTUAL**
Consultant Urogynecologist • Whittington Health, Senior Clinical Lecturer, Eastman Dental Institute, Principal Clinical Investigator Bladder Infection & Immunity Group • University College London
- 3:30P ***Updating Consensus Manuscript***
Mimi Lukacz, MD, MAS
Professor, Obstetrics, Gynecology and Reproductive Sciences, Division Director, URPS • University of California, San Diego
Naz Siddiqui, MD, MHSc
Associate Professor, Obstetrics and Gynecology • Duke University
- 4:15P QA – Discussion
- 4:30P **Closing Remarks**
- 4:45P **Cocktail, Social, and Network Hour**

SUFU 2025 WINTER MEETING

February 25 – March 1, 2025

Westin Rancho Mirage Golf Resort & Spa | Rancho, Mirage, CA



Questions to urogyn@health.ucsd.edu